

HEAVY-DUTY GRATINGS

Load values table for forklift trucks, without brake factor (according to German Regulation DIN 1055-3)													
category	G1		G2		G3		G4		G5		G6		
permissible total weight	31 kN		46 kN		69 kN		100 kN		150 kN		190 kN		
wheel load / load contact area	13 kN 200 x 200 mm		20 kN 200 x 200 mm		31,5 kN 200 x 200 mm		45 kN 200 x 200 mm		70 kN 200 x 200 mm		85 kN 200 x 200 mm		
bearing bar mesh width (mm)	30	13	30	13	30	13	30	13	30	13	30	13	
width in mm	bearing bar		bearing bar		bearing bar		bearing bar		bearing bar		bearing bar		
300	35/3	-	40/3	-	50/4	-	50/5	-	70/5	-	70/5	-	
400	40/3	-	40/5	-	50/5	-	60/5	-	80/5	-	90/5	-	
500	40/5	-	50/5	-	60/5	50/4	70/5	60/4	90/5	70/5	100/5	80/5	
600	50/4	-	60/4	40/5	70/5	60/4	80/5	60/5	110/5	80/5	120/5	90/5	
700	50/5	-	60/5	50/4	80/5	60/5	90/5	70/5	120/5	90/5	-	100/5	
800	50/5	40/5	70/5	50/5	80/5	60/5	100/5	80/5	-	90/5	-	100/5	
900	60/4	40/5	70/5	50/5	90/5	70/5	110/5	80/5	-	100/5	-	110/5	
1000	60/5	50/4	70/5	60/4	90/5	70/5	110/5	90/5	-	110/5	-	120/5	
1100	60/5	50/5	80/5	60/5	100/5	80/5	120/5	90/5	-	110/5	-	120/5	
1200	70/5	50/5	80/5	60/5	100/5	80/5	-	90/5	-	120/5	-	-	
1300	70/5	60/4	90/5	70/5	110/5	80/5	-	100/5	-	-	-	-	
1400	70/5	60/4	90/5	70/5	110/5	90/5	-	100/5	-	-	-	-	
1500	80/5	60/4	90/5	70/5	120/5	90/5	-	110/5	-	-	-	-	

Load values table for forklift trucks, with a brake factor of 1.4 (according to German Regulation DIN 1055-3)													
category	G1		G2		G3		G4		G5		G6		
permissible total weight	31 kN		46 kN		69 kN		100 kN		150 kN		190 kN		
wheel load / load contact area	18.2 kN (13 kN) 200 x 200 mm		28 kN (20 kN) 200 x 200 mm		44.1 kN (31,5 kN) 200 x 200 mm		63 kN (45 kN) 200 x 200 mm		98 kN (70 kN) 200 x 200 mm		119 kN (85 kN) 200 x 200 mm		
bearing bar mesh width (mm)	30	13	30	13	30	13	30	13	30	13	30	13	
width in mm	bearing bar		bearing bar		bearing bar		bearing bar		bearing bar		bearing bar		
300	40/3	30/4	40/5	35/4	50/5	40/5	60/5	45/5	80/5	60/5	90/5	70/5	
400	40/5	30/5	50/5	40/5	60/5	50/5	80/5	60/5	100/5	70/5	110/5	80/5	
500	50/4	40/4	60/5	50/4	70/5	60/4	90/5	70/5	110/5	80/5	120/5	90/5	
600	50/5	40/5	70/5	50/5	80/5	60/5	100/5	80/5	-	90/5	-	100/5	
700	60/5	50/4	70/5	60/4	90/5	70/5	110/5	80/5	-	100/5	-	110/5	
800	60/5	50/4	80/5	60/5	100/5	70/5	120/5	90/5	-	110/5	-	120/5	
900	70/5	50/5	80/5	60/5	110/5	80/5	-	100/5	-	120/5	-	-	
1000	70/5	60/4	90/5	70/5	110/5	80/5	-	100/5	-	-	-	-	
1100	80/5	60/4	90/5	70/5	120/5	90/5	-	110/5	-	-	-	-	
1200	80/5	60/5	100/5	70/5	-	90/5	-	110/5	-	-	-	-	
1300	80/5	60/5	100/5	80/5	-	100/5	-	120/5	-	-	-	-	
1400	90/5	70/5	110/5	80/5	-	100/5	-	120/5	-	-	-	-	
1500	90/5	70/5	110/5	80/5	-	110/5	-	-	-	-	-	-	

1 kN = 1000 N ≈ 100 kg
Category G = load effect according to DIN 1055-100